

Table 4.1.1.7-1 Approximate Percentages of Corridor Soil Types*

Soil Type	Productivity (Bushels Corn/Acre)	No Build	Alignment Percentage																		
			Segment I			Segment II		Segment III			Segment IV	Segment V				Segment VI		Segment VII			
			On- Alignment	Southern Realignment	Far Southern Realignment	On- alignment	Range On- alignment	Range Northern	Range Southern	On- alignment	Alt 1	Alt 2	Alt 3	Alt 4	On- alignment	Southern Realignment	Alt A	Alt B	Alt C	Alt D	
Amery Sandy Loam	45-65	--	15	10	10	20	--	3	--	5	5	10	25	8	--	2	--	--	--	--	
Amery Silt Loam	70-75	--	--	--	--	5	--	3	--	10	--	--	--	--	--	--	--	--	--	--	
Anigon Silt Loam	90-95	--	--	--	--	--	--	--	--	--	5	2	--	5	10	10	12	12	80	20	
Almena Silt Loam	95	--	--	--	--	--	--	--	--	--	5	--	--	--	--	2	5	--	--	--	
Arland Fine Sandy Loam	75-90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25	12	--	10	
Amery Complex	55-60	--	25	25	25	5	--	--	--	--	2	3	2	2	--	--	--	--	--	--	
Antigo Silt Loam	70-85	--	40	30	30	38	20	5	30	25	--	--	--	--	--	--	--	--	--	--	
Brill Silt Loam	80	--	--	2	2	--	--	--	5	3	--	--	--	--	--	--	--	--	--	--	
Campia Silt Loam	80-90	--	--	--	--	--	--	--	--	--	5	10	--	2	--	--	--	--	--	--	
Chetek Sandy Loam	55-60	--	--	--	--	5	2	--	--	5	8	5	5	5	7	5	10	10	5	5	
Cheteck-Rosholt	53	--	--	--	--	--	--	--	--	--	--	--	--	--	5	8	--	--	--	--	
Comstock Silt Loam	80	--	--	--	--	--	--	--	--	--	2	2	--	--	--	--	--	--	--	--	
Cromwell Sandy Loam	45-50	--	2	2	2	--	5	--	--	2	--	--	5	3	--	--	--	--	--	--	
Crystal Lake Silt Loam	85-90	--	--	--	--	--	--	--	--	--	15	20	2	2	--	--	--	--	--	--	
Fluvaquents	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4	4	2	2	
Freeon Silt Loam	80	--	--	--	--	--	--	--	--	--	10	4	10	10	20	35	3	10	--	3	
Haugen Sandy Loam	80-85	--	--	--	--	--	--	--	--	--	10	7	20	20	2	--	--	--	--	2	
Haugen-Greenwood Complex	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	
Magnor Silt Loam	80	--	--	5	5	--	--	--	--	3	10	15	10	15	20	20	--	--	--	--	
Menahga Loamy Sand	--	--	2	--	--	--	--	--	--	--	3	--	3	--	--	--	4	4	2	4	
Oesterle Sandy Loam	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	2	--	--	--	--	
Poskin Silt Loam	80	--	--	--	--	--	--	--	--	--	--	--	--	--	2	1	--	4	--	--	
Rib Silt Loam	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	5	--	--	--	--	
Rifle Muck	--	--	5	15	15	--	--	--	--	7	--	--	2	1	--	--	--	--	--	--	
Rosholt Loam	60-80	--	10	5	5	8	40	60	45	30	--	--	4	5	--	--	20	20	8	45	
Rosholt-Cromwell Complex	50-60	--	--	--	--	--	25	10	15	--	--	--	2	--	--	--	--	--	--	--	
Santiago Silt Loam	75-85	--	--	--	--	--	5	15	--	5	--	--	--	3	1	8	9	--	4		
Santiago-Antigo Silt Loam	70-80	--	--	--	--	12	2	2	2	--	--	--	--	--	--	--	--	--	--	--	
Seelyeville Muck	--	--	1	1	1	--	--	--	--	--	1	3	2	1	8	--	--	--	--	--	
Spencer Silt Loam	90-100	--	--	--	--	--	--	--	--	--	15	10	10	10	5	5	4	10	--	2	
Other	--	--	5	5	7	1	2	3	5	7	6	5	7	6	4	5	5	3	3		
Hectares Required	--	94.7	155.6	108.3	48.6	33.7	48.3	54.1	37.1	209.0	216.5	186.4	46.3	74.1	85.9	157.5	231.7	269.2	91.1		
Acres Required (New R/W)	--	234	384.6	267.1	120.2	83.3	119.3	133.8	91.7	516.5	535.1	460.5	114.5	183.1	212.2	389.3	572.6	665.3	225		

* Percentages based on estimations from Polk and Barron County Soil Survey Mapping, 1979 and 2001.

Table 4.1.1.8-1

Agricultural Impacts of the Build Alternatives

Segment	Alternative	Number of Parcels Having Agricultural Land Acquired	Number of Farm Severances	Total Amount of Agricultural Land Acquired	Amount of Prime Farmland Required*	Number of Farms with Landlocked Acreage > 5 acres (2 ha)	Number of Farm Parcels with Greater than 5 acres (2 hectares) Impacted	Number of Farms with Building Relocations	Number of Farm Structure Relocations**
I (200th Street to 120th Street)	Deer Lake On-alignment	22	4	91.7 acres (37.1 ha)	48.6 acres (19.7 ha)	12	6	2	11
	Deer Lake Southern Realignment	24	4	134.1 acres (54.3 ha)	68.4 acres (27.7 ha)	12	10	1	6
	Deer Lake Far Southern Realignment	24	2	120.2 acres (48.6 ha)	39.8 acres (15.7 ha)	0	10	0	0
II (120th Street to County E)	Apple River/Clover Lake On-alignment	8	0	36.4 acres (14.7 ha)	22.1 acres (9.0 ha)	3	2	2	12
III (County E to 50th Street)	Range On-alignment	8	0	29 acres (11.8 ha)	10.1 acres (4.1 ha)	2	3	4	31
	Range Northern Realignment	5	3	30 acres (12.1 ha)	13.8 acres (5.6 ha)	1	3	3	26
	Range Southern Realignment	9	3	87.6 acres (35.1 ha)	28.7 (11.6 ha)	0	6	4	35
IV (50th Street to 15th Street)	Joel Flowage On-alignment	8	0	40.9 acres (16.5 ha)	21.8 acres (8.8 ha)	8	2	2	16
	Joel Flowage Northern Realignment	8	3	58.9 acres (23.8 ha)	24.3 acres (9.8 ha)	7	5	2	16
V (15th Street to 5th Street)	Turtle Lake Alternative 1 (Short South Bypass)	23	8	352.8 acres (142.8 ha)	268.8 acres (108.8 ha)	6	15	1	6
	Turtle Lake Alternative 2 (Long South Bypass)	18	7	327 acres (132.3 ha)	180.9 acres (73.1 ha)	5	13	1	7
	Turtle Lake Alternative 3 (North Bypass)	31	5	150.8 acres (61.0 ha)	90.4 acres (36.5 ha)	5	11	1	3
	Turtle Lake Alternative 4 (Through-town)	16	2	77.3 acres (31.3 ha)	73 acres (29.5 ha)	0	6	0	0
VI (5th Street to Sweeny Pond Creek)	Poskin On-alignment	22	0	52.7 acres (21.3 ha)	39.0 acres (15.8 ha)	5	2	0	0
	Poskin Southern Realignment	22	3	105 acres (42.5 ha)	95.8 acres (38.8 ha)	6	5	0	
VII (Sweeny Pond to US 53)	Barron Alternative A (Short South Bypass)	27	9	345.1 acres (139.6 ha)	277.0 acres (112.1 ha)	4	14	2	8
	Barron Alternative B (Long South Bypass)	24	10	405.3 acres (164 ha)	348.6 acres (141.1 ha)	4	17	2	8
	Barron Alternative C (North Bypass)	36	18	524.5 acres (212.3 ha)	506.2 acres (204.8 ha)	5	25	1	4
	Barron Alternative D (Through-town)	18	0	58.1 acres (23.5 ha)	42.5 acres (17.2 ha)	3	6	2	15

* Prime soils identified from NRCS data.

** Includes barns, sheds, garages, and silos